

DECLARATION AND POWERS OF ATTORNEY

SHEET 1 OF 2

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled
MULTIMODE DOWSTREAM SIGNAL PROCESSING IN A BI-DIRECTIONAL COMMUNICATIONS DEVICE
 the specification of which was filed on _____ as Application Serial No. _____ and was amended on _____, or, if not identified here by filing date and serial number, is attached hereto.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 USC 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate by me or my representatives or assigns for this invention having a filing date before that of the application on which priority is claimed.

Application No. _____ in _____ on _____ priority claimed ☐ Yes ☐ NoApplication No. _____ in _____ on _____ priority claimed ☐ Yes ☐ NoApplication No. _____ in _____ on _____ priority claimed ☐ Yes ☐ No

I hereby claim the benefit under 35 USC 119(e) of any United States provisional application(s) as listed below.

Application No. 60/305,218 Filed July 13, 2001Application No. 60/305,193 Filed July 13, 2001Application No. 60/327,551 Filed October 2, 2001Application No. 60/327,529 Filed October 2, 2001Application No. 60/327,550 Filed October 2, 2001

I hereby claim the benefit under 35 USC 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC 112, I acknowledge the duty to disclose material information as defined in 37 CFR 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application

Serial No. _____ Filed _____ ☐ patented ☐ pending ☐ abandonedSerial No. _____ Filed _____ ☐ patented ☐ pending ☐ abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint, individually and collectively, the following as my/our attorney or agent with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith:

JOSEPH S. TRIPOLI Registration No. 26,040 and
RONALD H. KURDYLA Registration No. 26,932 and

GUY H. ERIKSEN Registration No. 41,736 and
 _____ Registration No. _____

PLEASE ADDRESS ALL

COMMUNICATIONS TO: JOSEPH S. TRIPOLI

PATENT OPERATIONS

THOMSON multimedia Licensing Inc.

P.O. Box 5312

PRINCETON, NEW JERSEY 08543-5312

Sole or Joint Inventor (1)	MICHAEL ANTHONY PUGEL	<i>Michael Anthony Pugel</i>
(Type or Print)		(Signature in Full. No initials.)
Citizenship	U.S.A.	Date <u>11-05-01</u>
Post Office Address	20925 Creek Road, Noblesville, Indiana 46060	
Residence	Noblesville, Hamilton County, Indiana	
Sole or Joint Inventor (2)	KEVIN PAUL McREYNOLDS	<i>K. P. McReynolds</i>
(Type or Print)		(Signature in Full. No initials.)
Citizenship	U.S.A.	Date <u>11/6/01</u>
Post Office Address	206 Berkshire Lane, Noblesville, Indiana 46060	
Residence	Noblesville, Hamilton County, Indiana	
Sole or Joint Inventor (3)	ROBERT ANDREW RHODES	<i>Robert Andrew Rhodes</i>
(Type or Print)		(Signature in Full. No initials.)
Citizenship	U.S.A.	Date <u>11/08/01</u>
Post Office Address	13261 Arden Court, Carmel, Indiana 46033	
Residence	Carmel, Hamilton County, Indiana	
Sole or Joint Inventor (4)	WESLEY JOHN BOYD	
(Type or Print)		(Signature in Full. No initials.)
Citizenship	U.S.A.	Date
Post Office Address	2407 Buckingham Drive NW, Apt. 310, Cedar Rapids, Iowa 52405	
Residence	Cedar Rapids, Linn County, Iowa	

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JOSEPH S. TRIPOLI

Registration No. 26,040

and

RONALD H. KURDYLA

Registration No. 26,932

and

GUY H. ERIKSEN

Registration No. 41,735

and

Registration No. _____

PLEASE ADDRESS ALL

COMMUNICATIONS TO: **JOSEPH S. TRIPOLI**

PATENT OPERATIONS

THOMSON multimedia Licensing Inc.

P.O. Box 5312

PRINCETON, NEW JERSEY 08543-5312

Sole or Joint Inventor (1)	MICHAEL ANTHONY PUGEL	
(Type or Print)		
Citizenship	U.S.A.	
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Post Office Address	20925 Creek Road, Noblesville, Indiana 46060	
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Sole or Joint Inventor (2)	KEVIN PAUL McREYNOLDS	
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